

LAND RECLAMATION COMMISSION

STATE OF MISSOURI
P.O. BOX 176
JEFFERSON CITY, MISSOURI 65102
573-751-4041

Permit To Engage in Surface Mining

LAND RECLAMATION COMMISSION

ISSUES TO
MERTENS CONSTRUCTION COMPANY, INC.

Pursuant to "The Land Reclamation Act," RSMo, 2001, and on conformity with the statements
In the application, a permit is hereby granted to engage in surface mining of
limestone in the state of Missouri. The extent of the

Proposed mining operation(s) will be on 421 acres, more or less.

The locations of the operation(s) under this permit is/are as follows: **Renewal**

County	Section	Township	Range	Acres Renewed	Acres New	Total Acres	Site/Stream Name	Site Number
Callaway	22, 27	47N	08W	120	0	120	Reform Quarry	0891
Callaway	26, 27, 34, 35	49N	09W	297	0	297	Auxvasse Quarry	0889
Cole	05	45N	13W	4	0	4	Marion Quarry	0397

This permit may be suspended or revoked upon violation of any or all of the conditions set
forth in "The Land Reclamation Act," RSMo, 2001, or in such rules and regulations
as are promulgated pursuant thereto by the Land Reclamation Commission.

IN WITNESS WHEREOF I have hereunto set my hand this 26th day of May 2004


DIRECTOR OF STAFF
Land Reclamation Commission

Permit No. 0337
Effective Date 05/26/2004
Expiration Date 04/22/2005
MO 780-1122 (6-95)

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MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION

PERMIT RENEWAL FOR INDUSTRIAL MINERAL MINES

MISSOURI LAND RECLAMATION COMMISSION, P.O. BOX 176
JEFFERSON CITY, MO 65102-0176

NAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDIVIDUAL Merters Construction Company, Inc.		DATE 4/12/04	
ADDRESS P.O. Box 52	CITY Kingdom City	STATE MO	ZIP CODE 65262
CONTACT PERSON K. Douglas Mertens		TELEPHONE NUMBER 573-642-2230	

FEES: COMPLETE SECTION I OR SECTION II

SECTION I. Fees: Open pit operators and those mining more than 5,000 tons of sand and/or gravel:

1. To compute the site fee complete the information below:

SITE NAME OR NUMBER (add a separate sheet for additional sites)	Mark each month that the site will be operated during the permit year	For sites operated less than six months per permit year pay \$150 For sites operated six months or more per permit year pay \$300
1. Reform Quarry	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ 300.00
2. Auxvasse Quarry	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ 300.00
3. Marior Quarry	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ 300.00
4.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
5.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
6.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
7.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
8.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
9.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
10.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
TOTAL SITE FEE		\$

2. Acreage Fee \$5 X ⁴²¹ number of acres bonded \$ 2105.00

3. Annual Permit Fee \$ 500

4. Total Fee (Add totals from 1, 2 and 3) \$ 3505.00

NOTE: If Total Fee exceeds \$2,500.00 then pay only \$ 2,500

SECTION II. FEES: Sand or gravel operators mining less than 5,000 tons per year:

1. Annual Permit Fee \$ 300

SIGNATURE OF APPLICANT <i>K. Douglas Mertens</i>	TITLE Vice President	DATE 4/12/04
---	--------------------------------	------------------------

Appeared before me this 12th day of April, 2004, K. Douglas Mertens
to me personally known, who executed the above as their free acts and deeds.

NOTARY PUBLIC EMBOSSER SEAL	STATE OF Missouri	COUNTY (OR CITY OF ST. LOUIS) Callaway
	SUBSCRIBED AND SWORN BEFORE ME, THIS 12th DAY OF April YEAR 2004	
	NOTARY PUBLIC SIGNATURE <i>Linda Martin</i>	MY COMMISSION EXPIRES 9/25/05
	NOTARY PUBLIC NAME (TYPED OR PRINTED) Linda Martin	

LINDA MARTIN
Notary Public - Notary Seal
STATE OF MISSOURI
Callaway County
My Commission Expires Sept. 25, 2005

FOR DEPARTMENT USE ONLY: APPROVED BY <i>Darryl Hestis</i>	DATE APPROVED 04/19/04	PERMIT NUMBER 0337	EXPIRATION DATE 04/22/2005
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MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
SITE INFORMATION FORM

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RECLAMATION COMMISSION

To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER #2 - Auxvasse Quarry		PERMIT NUMBER 337	
COMPANY NAME Mertens Construction Company, Inc.			
COUNTY Callaway	1/4 SECTION	SECTION 2,3,26,27,28,33,34,35	
TOWNSHIP 48N & 49N	RANGE 9W	ACRES 1353	
RIVER OR STREAM NAME (FOR IN-STREAM ACRES)			
MINERAL COMMODITY Limestone		ESTIMATED TONS/YEAR (FOR GRAVEL SITES)	

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) See Attached List		
ADDRESS		
CITY	STATE	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT <input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) Same		
ADDRESS		
CITY	STATE	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT <input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT
NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.		

Landowners:

Mertens Construction Company, Inc.
P.O. Box 52
Kingdom City, MO 65262

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**MISSOURI LAND
RECLAMATION COMMISSION**


Mertens, LLC.
P.O. Box 52
Kingdom City, MO 65262

Source of Right to Mine: Lease Dated: 02-27-02

Land Use Authorization

The undersigned hereby authorizes the post reclamation use of land as described in the attached long term mine plan.


Kenneth C. Mertens, Manager
Mertens, LLC.


K. Douglas Mertens, Vice President
Mertens Construction Co., Inc.

Date: 3-14-02

Date: 3-14-02



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
MINE PLAN

P.O. BOX 176
JEFFERSON CITY, MO 65102

TYPE OF PLAN (CHECK ONE):

☐ SHORT TERM, FOR ONE PERMIT YEAR

COMPANY NAME Mertens Cosntruction Company, Inc.

☒ LONG TERM, FOR PERIOD THROUGH DATE: April 22, 2300

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

Various Existing Pre-Law mined areas located on property. Rolling hills with some vertical bluffs. Land is a mix of pasture, tillable acreage, timber, and scrub brush.

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OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

A horizon: 0-2" B horizon: 0-10"

INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

No removal required in pre-law areas. New pit areas will be stripped with scrapers to the depth of 10-12 inches and stockpiled for future reclamation.

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

Stockpiles are graded and sloped, then seeded to protect from erosion.

B. SPOIL**DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL**

Overburden will be stockpiled in locations to minimize transferring of material prior to final reclamation. All soil overburden will be seeded to protect from erosion.

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RECLAMATION COMMISSION**C. ACID MATERIAL****DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)**

none

D. PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)**DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS**

Please see detailed maps.

KDM 3-15-02

YES NO

Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?



Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)



Will any excavation start at or within fifty feet (50') of any property line?
(NOTE: If the answer is "yes", a safety barrier may be needed.)

A. REVEGETATION (Attach additional sheets, if needed)

PURPOSE OR LAND USE

Development (Industrial)

B. SEEDING OR PLANTING TIME

March 15-May 15

Grass will be seeded in applicable areas the first spring after topsoil replacement. Trees will be planted upon sufficient growth of grasses. Grasses and trees will be placed primarily on dirt safety berms.

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MISSOURI LAND
RECLAMATION COMMISSION

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

REVEGETATION MIX #2	PURPOSE OR LAND USE	SEEDING OR PLANTING TIME
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Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

B. GRADING

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

Pits will be graded to allow for future industrial development. Pit area will be multi-tiered and safety berms will be placed where highwalls are present. Safety berms will be constructed from dirt, and boulders. Dirt berms will be seeded and trees planted. Surface area for future development will be graded with limestone aggregate, or topsoiled and seeded.

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C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES

GRADING

Grading will be done as pit advances. As adequate fill material is placed and graded, safety berms will be constructed near any remaining highwalls. Limestone aggregate will be placed for future development, where applicable.

REPLACEMENT OF TOPSOIL

Topsoil will be placed where applicable within one year after final grading.

REVEGETATION

All topsoiled areas will be seeded the first spring following the topsoil placement. If necessary, a temporary seed mix may be used to stabilize topsoil prior to final seeding. Trees will be planted upon the sufficient growth of grasses.

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

Replaced with all topsoil and best B horizon KDM 3-15-02

D. USE OF LAND WHEN RECLAIMED	
Estimate acreage of each land use below, after reclamation	ESTIMATED ACRES:
Wildlife (forest or other habitat with livestock excluded)	
Agricultural (pasture, cropland, and horticultural)	
Development (residential, industrial, and recreational)	1353
Water impoundments (for wildlife, agricultural, or development)	



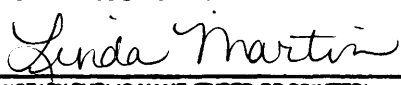
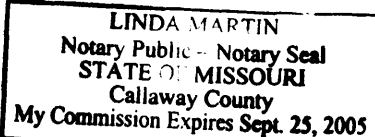
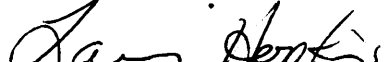
By my signature, I attest to the following:

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

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MISSOURI LAND
RECLAMATION COMMISSION

SIGNATURE OF APPLICANT 		TITLE Vice President	DATE 3-8-02
NOTARY PUBLIC EMBOSSEMENT SEAL 	STATE Missouri	COUNTY (OR CITY OF ST. LOUIS) Callaway	
SUBSCRIBED AND SWORN BEFORE ME, THIS 8th DAY OF March 2002		USE RUBBER STAMP IN CLEAR AREA BELOW	
NOTARY PUBLIC SIGNATURE 		MY COMMISSION EXPIRES 9-5-05	
NOTARY PUBLIC NAME (TYPED OR PRINTED) Linda M. Martin			
APPROVED BY (DIRECTOR'S REPRESENTATIVE) 		DATE APPROVED 07/19/02	PERMIT NUMBER 0337



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
SITE INFORMATION FORM

To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER #1 -- Reform Quarry		PERMIT NUMBER 91-337
COMPANY NAME Mertens Construction Company, Inc.		
COUNTY Callaway	1/4 SECTION SE $\frac{1}{4}$, SW $\frac{1}{4}$, NE $\frac{1}{2}$, NW $\frac{1}{2}$	SECTION 21, 22, 27 & 28
TOWNSHIP 47N	RANGE 8W	ACRES 204
RIVER OR STREAM NAME (FOR IN-STREAM ACRES) N/A		
MINERAL COMMODITY Limestone		ESTIMATED TONS/YEAR (FOR GRAVEL SITES) N/A

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) Mertens Construction Company, Inc.		
ADDRESS P.O. Box 52, Old Highway 40 East		
CITY Kingdom City	STATE Missouri	ZIP CODE 65262
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input checked="" type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____		DATE OF AGREEMENT 12/29/88
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) Same		
ADDRESS		
CITY	STATE	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____		DATE OF AGREEMENT
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION

MINE PLAN REFORM QUARRY

P.O. BOX 176
JEFFERSON CITY, MO 65102

TYPE OF PLAN (CHECK ONE):

- ☐ SHORT TERM, FOR ONE PERMIT YEAR
☒ LONG TERM, FOR PERIOD THROUGH DATE: 4/22/2025

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

Steep, ledgy timbered narrow valley

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

4

INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

After trees are cleared with dozers, the top 12 inches of soil will be removed with scrapers.

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

The soil will be stockpiled near the pit area and will be shaped and seeded to protect from erosion.

B. SPOIL

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

The spoil and overburden is being placed in mined out pits to be reclaimed as they are filled.

C. ACID MATERIALS

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

none

D. PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

Pink Outline -- 204 acres in mine plan and public notice, also property boundry lines
Blue Outline -- 65 acres in present years permitted area
Green Area -- present pit we are mining (near completion)
Orange Area -- next pit area to be mined starting at the south edge and extending north
Purple Area -- mined out area where overburden is presently being placed for future reclamation when area is full.
Red Area -- topsoil stockpile

YES NO

☐ ☒ Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?

☐ ☒ Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)

☐ ☒ Will any excavation start at or within fifty feet (50') of any property line?
(NOTE: If the answer is "yes", a safety barrier may be needed.)

RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.**A. REVEGETATION (Attach additional sheets, if needed)**

REVEGETATION MIX #1

Reform Quarry

PURPOSE OR LAND USE

Development (industrial)

B. SEEDING OR PLANTING TIME

March 15 - May 15

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Where applicable, grass will be seeded the first spring after topsoil placement has been completed. After grass has sufficiently grown to control erosion, trees will be planted

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Timothy Lespedeza	5#/acre 22#/acre	Mixture of White Pines Dogwoods, and Walnut	100 stem/acre

VEGETATION MIX #2

PURPOSE OR LAND USE

B. SEEDING OR PLANTING TIME

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE

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RECLAMATION COMMISSION

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

B. GRADING**DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES**

Multi-tiered levels prepared for industrial development. Safety berms will be constructed out of boulders or dirt where highwalls are present. If constructed out of dirt, berms will be seeded and trees planted. Surface areas for development will be graded with limestone aggregate.

C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES**GRADING**

Grading and placement of fill will occur as pit advances. Upon adequate fill and grading, berms will be placed within highwalls for safety.

REPLACEMENT OF TOPSOIL

Topsoil will be placed where applicable, upon completion of final grading.

REVEGETATION

Seeding will occur the first spring following the placement of topsoil. A temporary seed mix may be used to stabilize topsoil, prior to final seeding, if needed. Trees will be planted upon sufficient grass growth.

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)**D. USE OF LAND WHEN RECLAIMED**

Estimate acreage of each land use below, after reclamation

ESTIMATED ACRES:

Wildlife (forest or other habitat with livestock excluded)

Agricultural (pasture, cropland, and horticultural)

Development (residential, industrial, and recreational)

Water impoundments (for wildlife, agricultural, or development)

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**MISSOURI LAND
RECLAMATION COMMISSION**

204

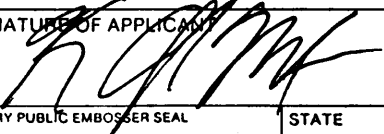
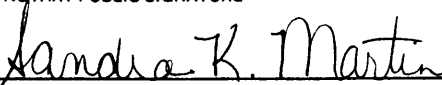

By my signature, I attest to the following:

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

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JUL 09 2001

MISSOURI LAND
RECLAMATION COMMISSION

SIGNATURE OF APPLICANT 		TITLE Vice President	DATE 7/9/01
NOTARY PUBLIC EMBOSSEER SEAL	STATE Missouri	COUNTY (OR CITY OF ST. LOUIS) Callaway	
	SUBSCRIBED AND SWORN BEFORE ME, THIS 9th DAY OF July xx 2001		USE RUBBER STAMP IN CLEAR AREA BELOW
	NOTARY PUBLIC SIGNATURE 	MY COMMISSION EXPIRES June 30 2002	
	NOTARY PUBLIC NAME (TYPED OR PRINTED) Sandra K. Martin		
APPROVED BY (DIRECTOR'S REPRESENTATIVE) 		DATE APPROVED 07/09/01	PERMIT NUMBER 0337

DAVID BRODIN
WILLIAM RED
RICHARD HAUBNER
JAMES HAUBNER
WARREN MARTIN
ROBERT TAYLOR
ROBERT GILMORE
WARREN MARTIN
LORIN FRED
CHARLES SPRADIN
JESSIE MILLER
GINGER
ALBERTA KESSLER
BUCKHAM FARM INC.

Permit # 337

Section: 2&3 Township 48N Range 9W

Section: 26, 27, 28, 33, 34, 35 Township 49N Range 9W

Prepared By K. Douglas Mertens 3-13-02

Scale 1" = 4800'

SEE PAGE 11

SEE PAGE 13

Entrance

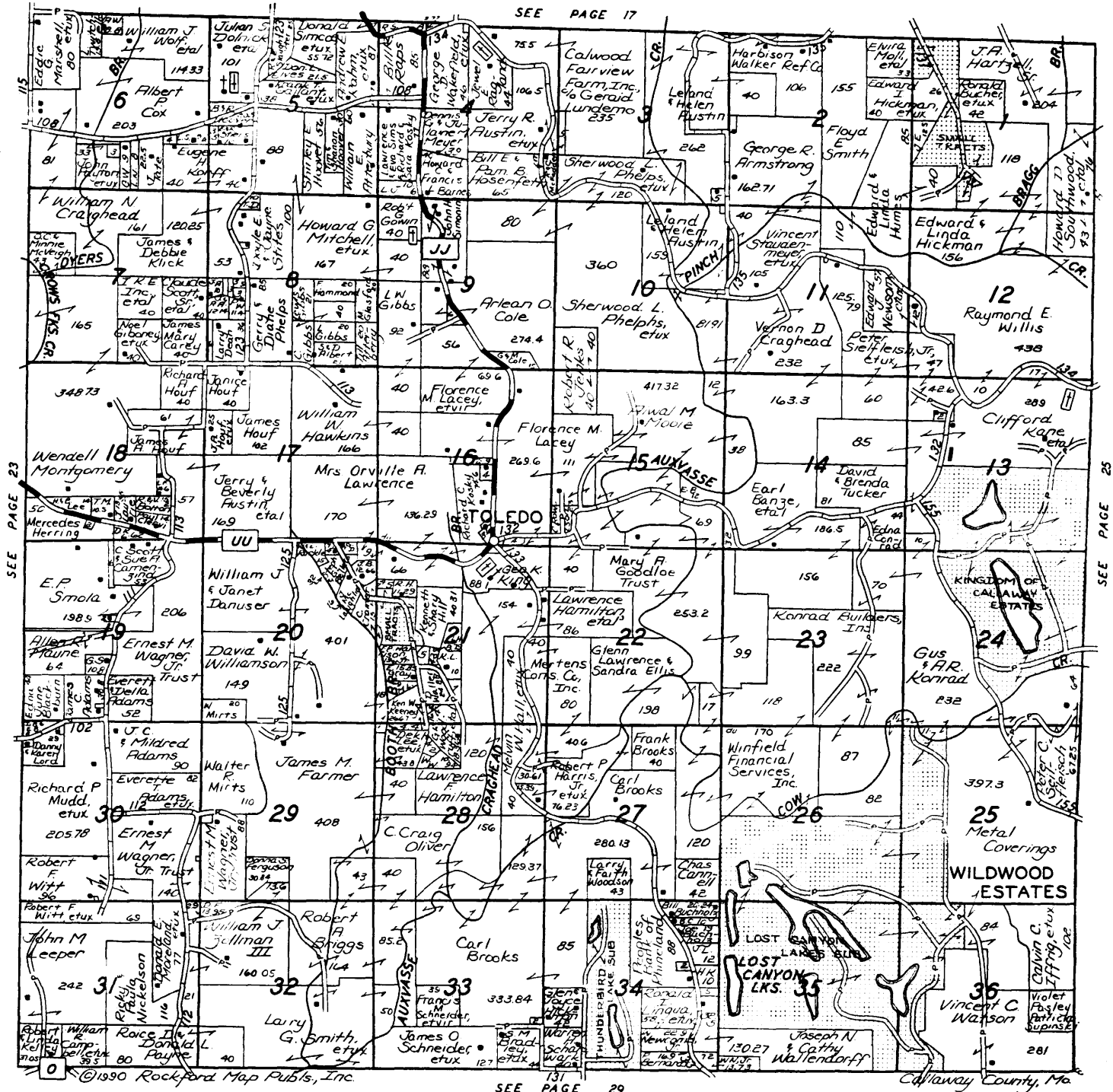
Property

Bonded/Permitted Average

SEE PAGE 16

PAGE 18

T. 47 N. - R. 8 W.



SMART REALTY

Residential, Commercial, Farms & Recreational

Charles Smart - John Smart - Bill Smart

602 Highway 54 South — Fulton, Missouri 65251

Office: (314) 642-9185



**Moore &
Shryock**

REAL ESTATE APPRAISERS AND CONSULTANTS

ALLAN J. MOORE, MAI
THOMAS D. SHRYOCK

Residential
Commercial - Farms
Industrial

(314) 874-1207

609 East Broadway
Columbia 65201

Mertens Construction Co., Inc.
Reform Quarry - Site #1
T 47N, R 8W, Sections 21, 22, 27 & 28
Callaway County
Permit #337

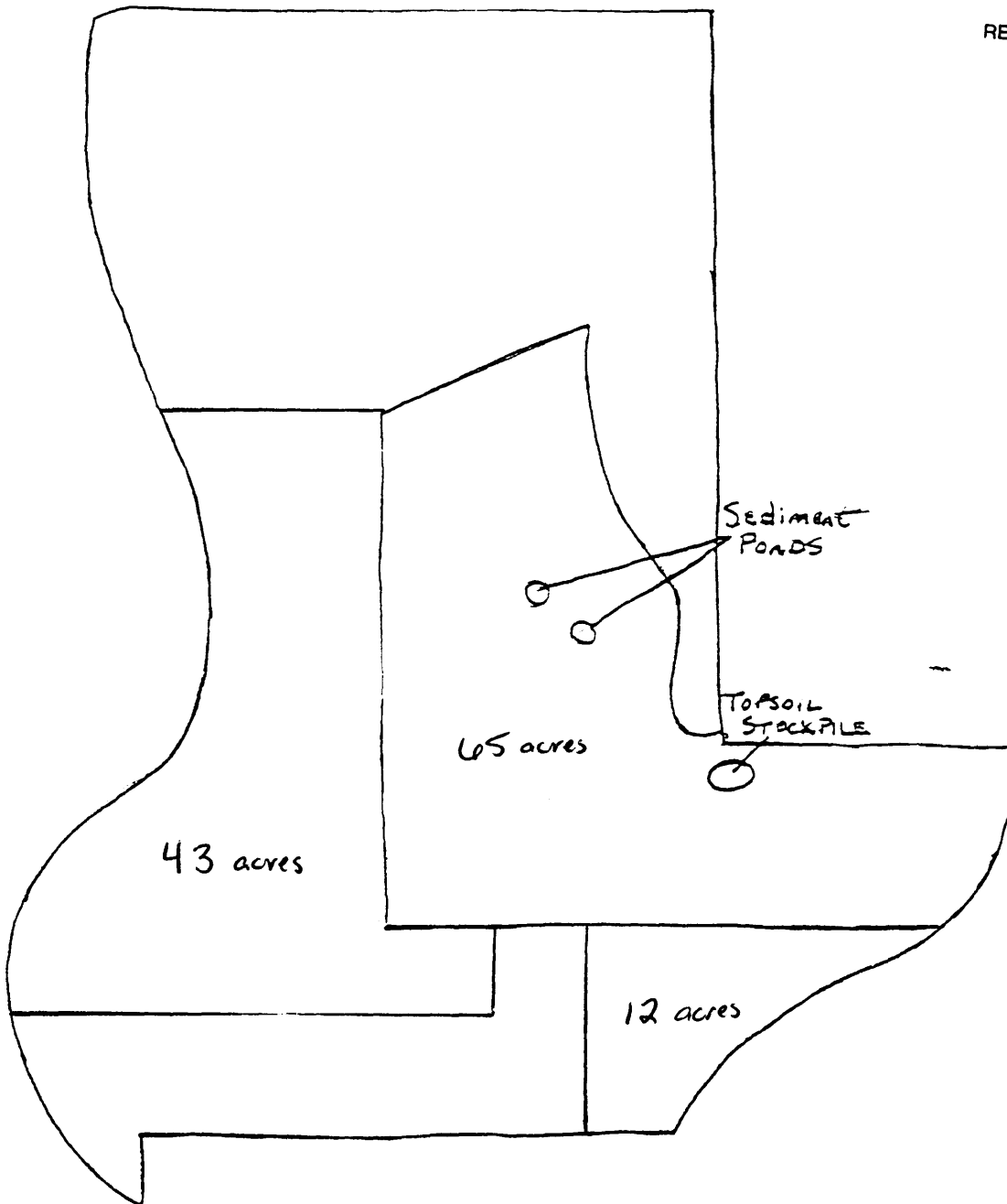
Prepared by: Doug Mertens

Last edited: April, 1993

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APR 30 2001

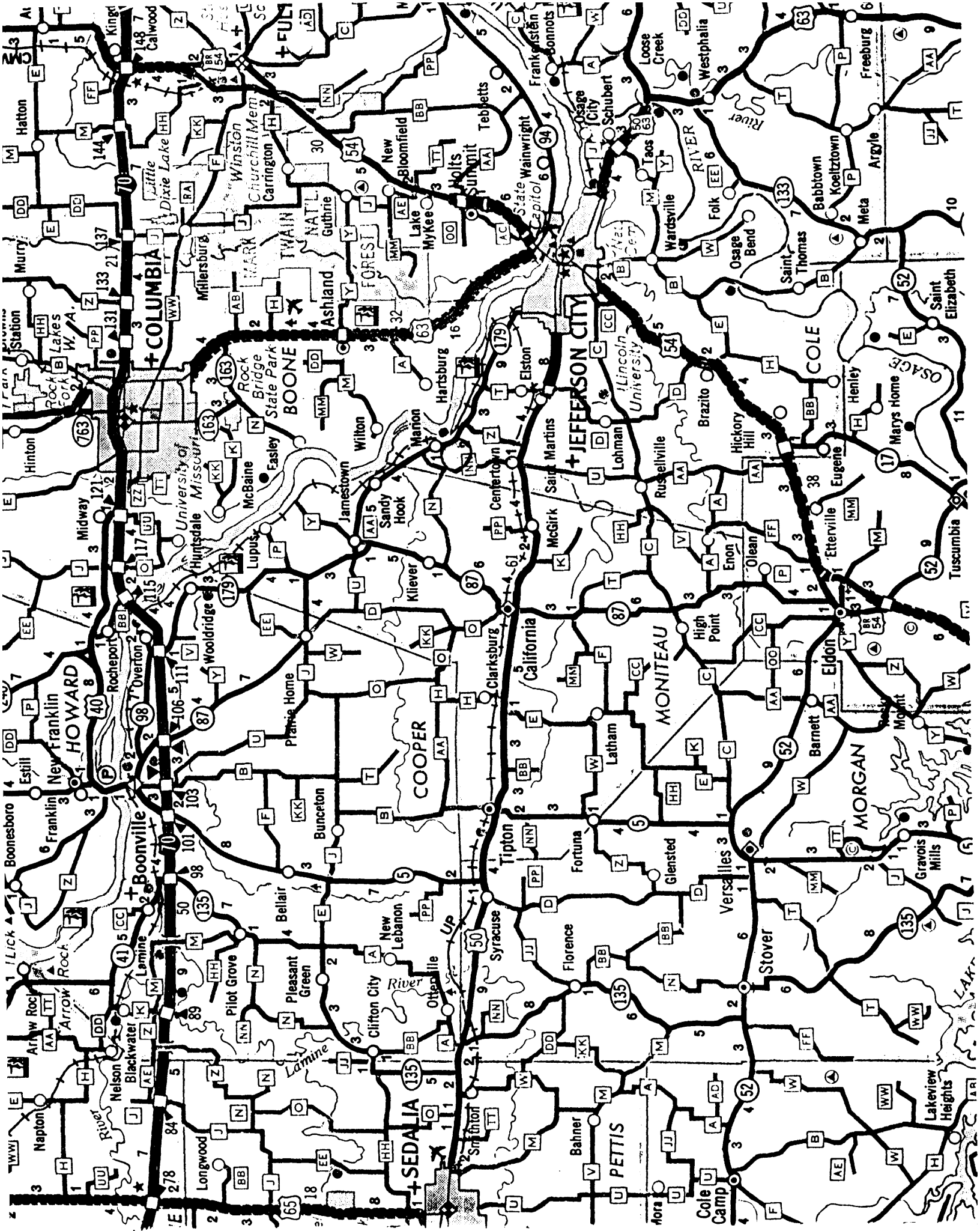
MISSOURI LAND
RECLAMATION COMMISSION

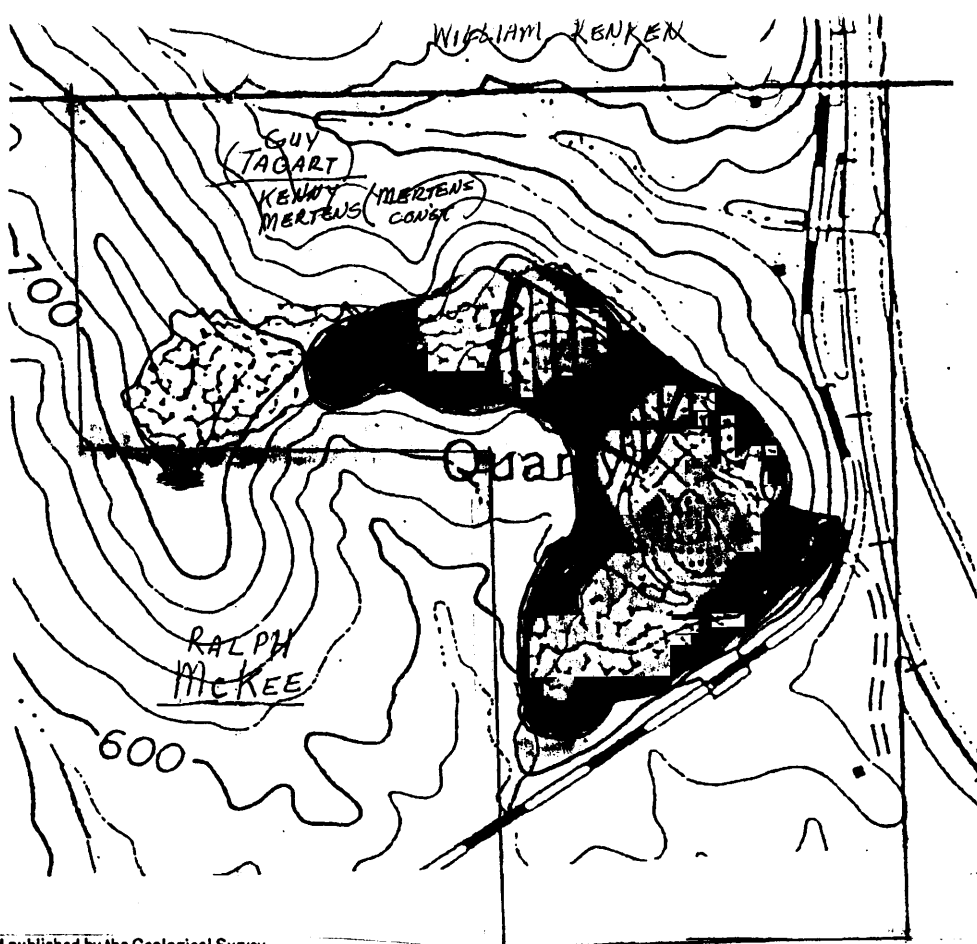


Existing Bonded Acres

requested acres

Property Line





BERNICE
TAGART
MIKE
ANDERSON
EQUIP INC

Mapped, edited, and published by the Geological Survey
Control by USGS and USC&GS

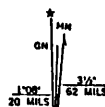
Topography by photogrammetric methods from aerial
photographs taken 1970. Field checked 1973

Projection and 10,000-foot grid ticks: Missouri coordinate
system, east zone (transverse Mercator)
1000-meter Universal Transverse Mercator grid ticks,
zone 15, shown in blue. 1927 North American datum

To place on the predicted North American Datum 1983,
move the projection lines 2 meters south and
11 meters east as shown by dashed corner ticks

Fine red dashed lines indicate selected fence and field lines where
generally visible on aerial photographs. This information is unchecked

Revisions shown in purple compiled from aerial photographs taken 1982 and
other sources. This information not field checked. Map edited 1985



UTM GRID AND 1983 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

HERMAN
TAGART

ROAD CLASSIFICATION

Primary highway, all weather, hard surface	Light-duty road, all weather, improved surface
Secondary highway, all weather, hard surface	Unimproved road, fair or dry weather

U. S. Route

State Route



QUADRANGLE LOCATION

MINED BEFORE 1972 (26 AC.)

MINED 1972 - 1990 (5 AC.)

PERMITTED AREAS (4 AC.)

BOUNDARY LINES (116 AC.)

LONG RANGE AREA (116 AC.)

NE 1/4, SEC. 5, TOW. 45N, RAC. 13W

RECEIVED

APR 14 1993

MISSOURI LAND
RECLAMATION COMMISSION

Marion Qy.

MERTENS CONSTRUCTION COMPANY, INC.
AUXVASSE QUARRY – SITE #2
Permit # 337
Callaway County
Section: 2&3 Township 48N Range 9W
Section: 26, 27, 28, 33, 34, 35 Township 49N Range 9W
Prepared By K. Douglas Mertens 3-13-02

Long Term Mine Plan / Property Boundary
Existing Acres
Expansion Acres
Permitted Acreage / Bonded Acreage

SCALE: 1" = 400'



10.8 acres

189 acres

T. 48 N.

ELECTRIC

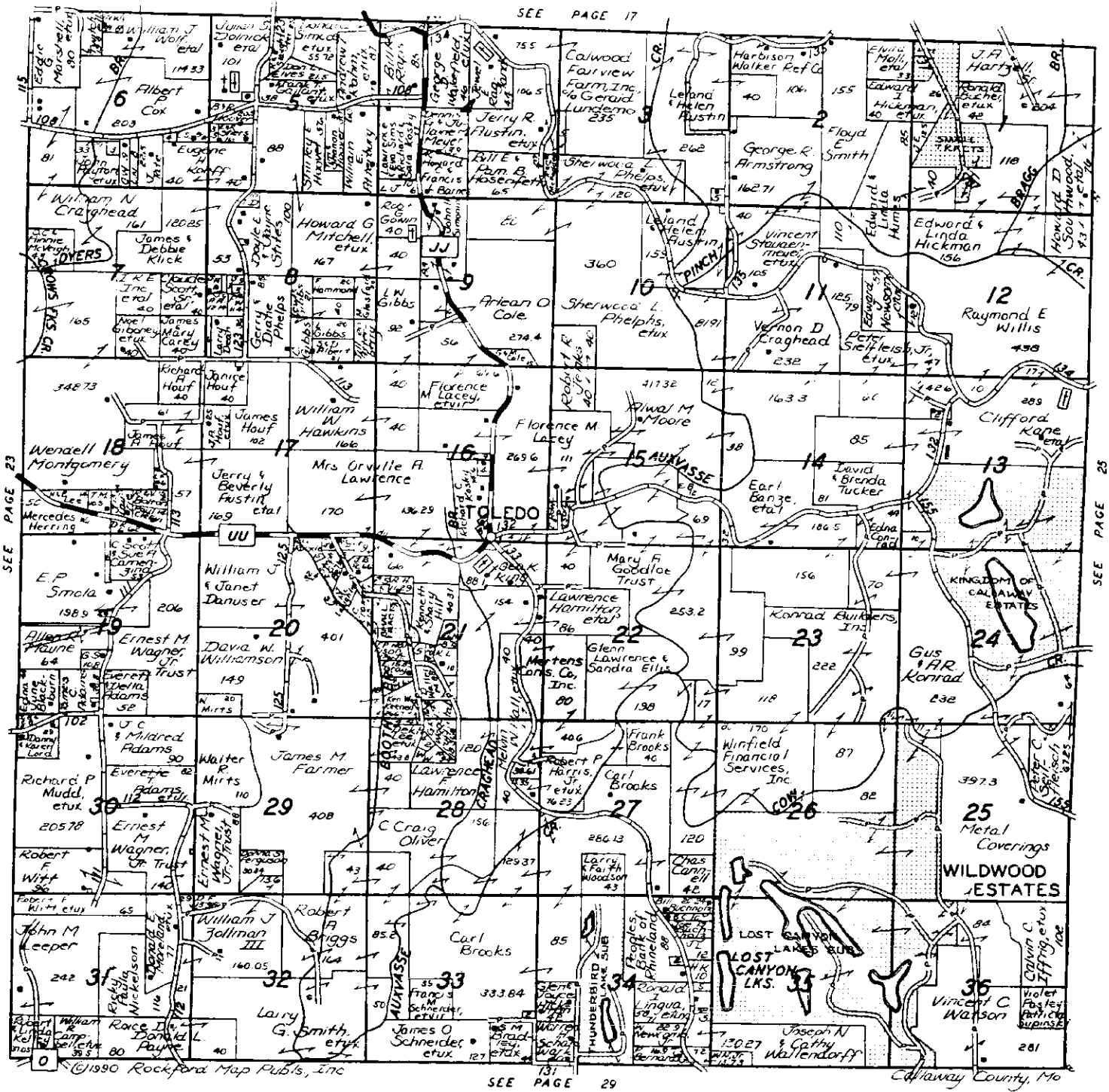
RAILROAD

COMPANY

54

T. 47 N. - R. 8 W.

Pr. recd May 1992 by Linda
F. DRA. SURVEY

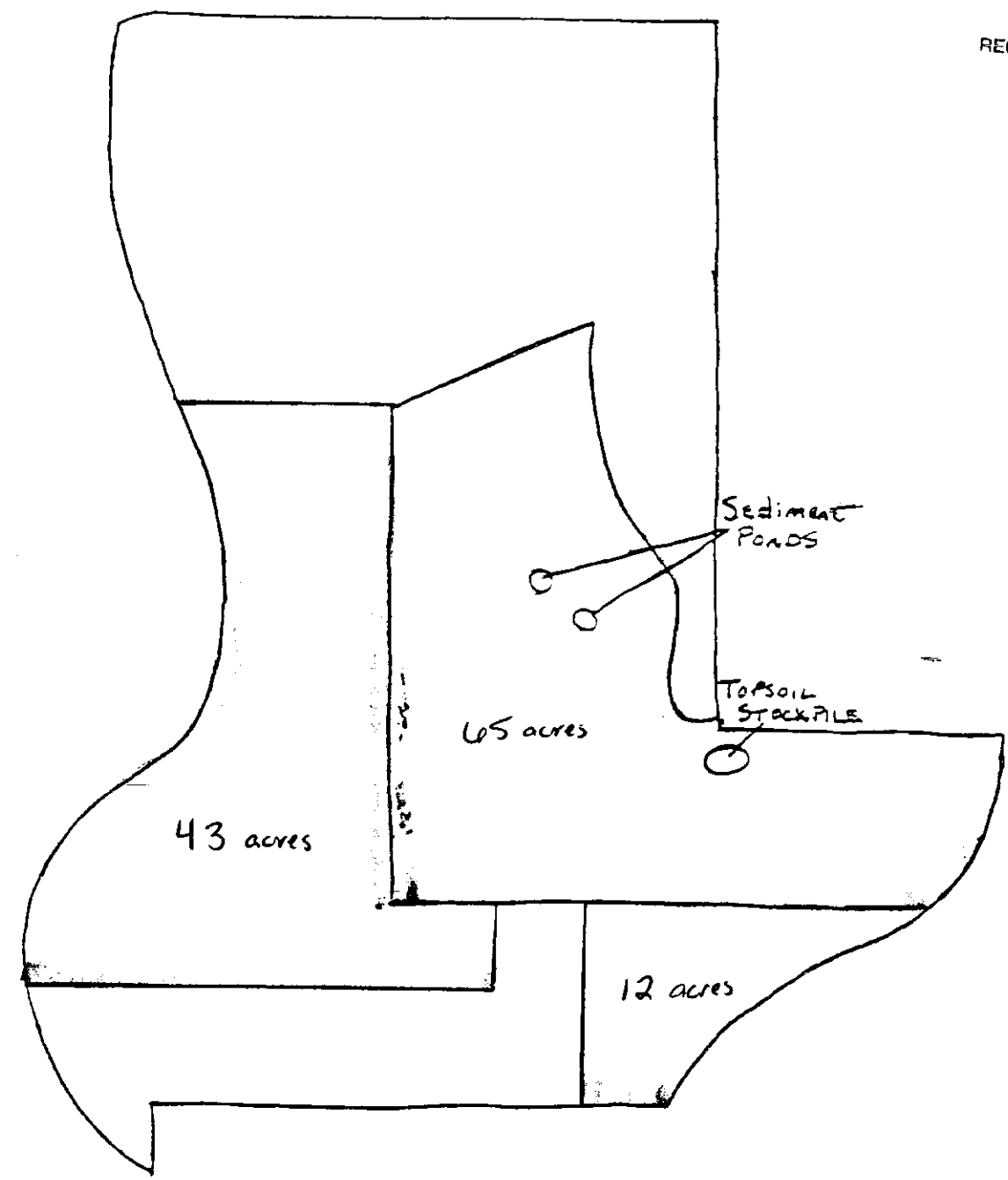


Mertens Construction Co., Inc.
Reform Quarry - Site #1
T 47N, R 8W, Sections 21, 22, 27, 28
Callaway County
Permit #337 Prepared by: Dave Mertens
Last edited: April, 1993

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APR 30 2001

MISSOURI LAND
RECLAMATION COMMISSION



Existing Bonded Acres

requested acres

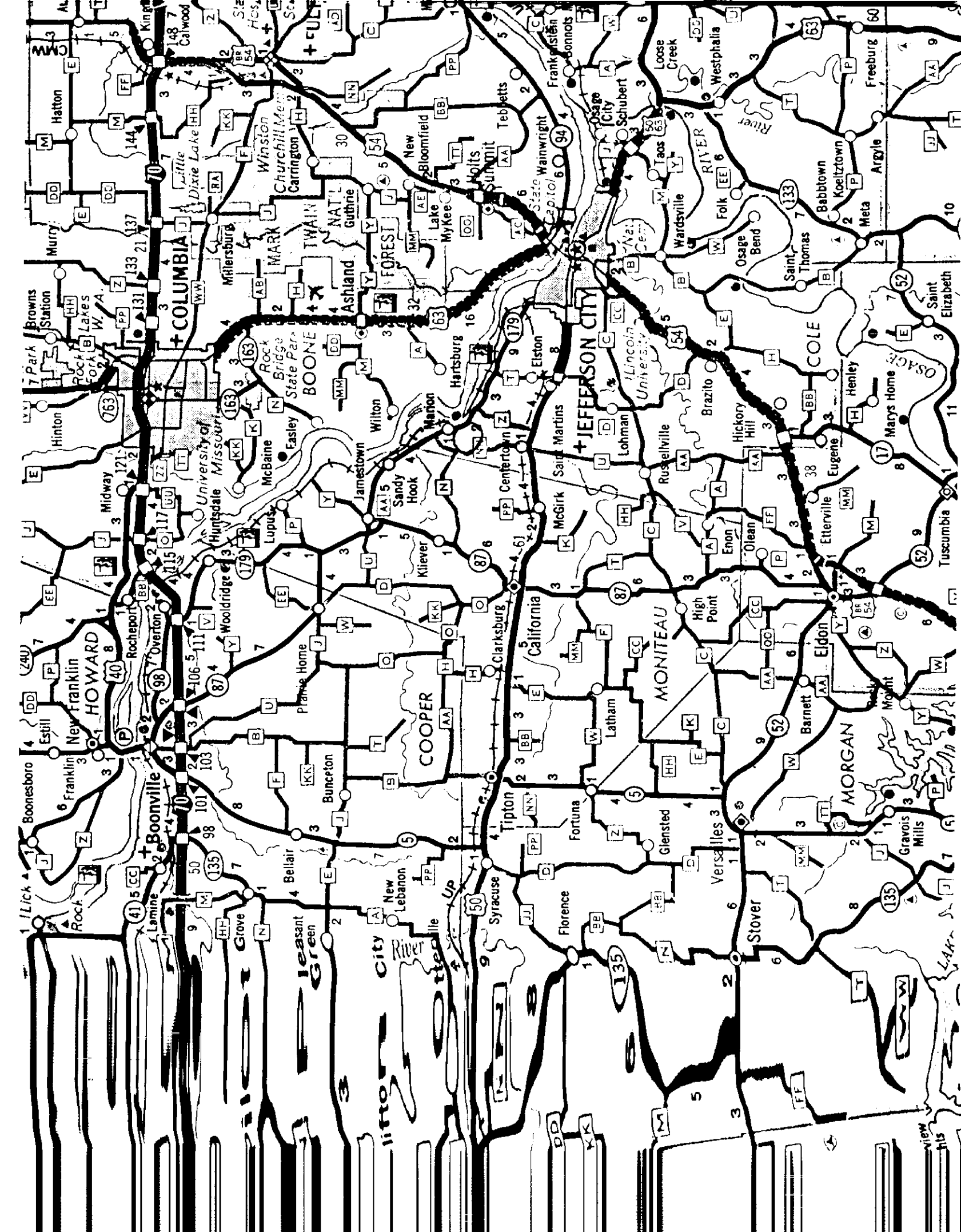
Property Line

SMART REALTY
Residential, Commercial, Farms

Recreational

Moore & Shryock

REAL ESTATE APPRAISERS
AND CONSULTANTS
ALLAN J. MOORE, MAI
THOMAS D. SHRYOCK
Residential



Mapped, edited, and published by the Geological Survey
Control by USGS and USC&GS

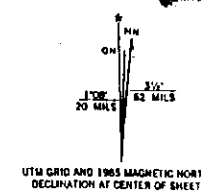
Topography by photogrammetric methods from aerial
photographs taken 1970. Field checked 1973

Projection and 10,000-foot grid ticks: Missouri coordinate
system, east zone (transverse Mercator)
1000-meter Universal Transverse Mercator grid ticks,
zone 15, shown in blue. 1927 North American datum

To place on the predicted North American Datum 1983,
move the projection lines 2 meters south and
11 meters east as shown by dashed corner ticks

Fine red dashed lines indicate selected fence and field lines where
generally visible on aerial photographs. This information is unchecked

Revisions shown in purple compiled from aerial photographs taken 1982 and
other sources. This information not field checked. Map edited 1985



ROAD CLASSIFICATION
Primary highway, all weather, hard surface
Secondary highway, all weather, hard surface
Light-duty road, all weather, improved surface
Unimproved road, fair or dry weather
U. S. Route
State Route

- MINED BEFORE 1972 (26 AC.)
- MINED 1972-1990 (5 AC.)
- PERMITTED AREAS (4 AC.)
- BOUNDARY LINES (116 AC.)
- LONG RANGE AREA (116 AC.)

NE 1/4, SEC 5, T10N 45N, R1E 10E

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APR 14 1993
MISSOURI LAND
RECLAMATION COMMISSION

Marion By.